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**MICHIGAN DEPARTMENT OF ENVIRONMENTAL QUALITY
WASTE MANAGEMENT DIVISION**

GROUNDWATER DISCHARGE PERMIT

This permit is issued under the provisions of Part 31, Water Resources Protection, of the Natural Resources and Environmental Protection Act, 1994 PA 451, as amended, being Sections 324.3101 through 324.3119 of the Compiled Laws of Michigan, and the Administrative Rules promulgated thereunder. This permit does not relieve the permittee from obtaining and complying with any other permits required under local, state, or federal law.

Permit Number:	M 00836	Authorization Rule:	2218
Facility Name:	Williamsburg Receiving and Storage, Inc.		
Issue Date:	April __, 2001	Expiration Date:	April 1, 2006
Deadline for Submittal of Renewal Application: October 3, 2005			
Facility Address:	10190 Munro Road, Williamsburg, Michigan 49690		
Telephone:	231-264-5260	Fax:	231-264-8774
Discharge Location Description: SW 1/4, Section 9 and the NW 1/4, Section 16, T28N, R9W, Whitewater Township, Grand Traverse County, Michigan, as identified in Attachment 1 (Location Map) and fully described in this permit.			
Permittee Name:	Williamsburg Receiving and Storage, Inc.		
Facility Owner Address:	10190 Munro Road, Williamsburg, Michigan 49690		
Telephone:	231-264-5260	Fax:	231-264-8774
Authorization to discharge a maximum 15,300,000 Gallons Per Year in accordance with the limitations, monitoring requirements, and other conditions as set forth in this permit, Part 31, and it's administrative rules.			
Type of Wastewater:	Process Water	Method of Treatment:	Land Application - A1a
Method of Disposal: Spray Irrigation - A1F1			

All construction, maintenance, operations, and monitoring of this facility must comply with the conditions set forth in this permit or in plans approved by the Department in accordance with this permit. Failure to comply with the terms and provisions of this permit may result in civil and/or criminal penalties as provided in Part 31.

This permit is based upon the information submitted in the March 28, 2000 application for groundwater discharge received by the Michigan Department of Environmental Quality and any subsequent amendments. This permit supersedes Permit M 00836 issued to Gray & Company on August 18, 1993.

Issued this ____ day of ____ for the Michigan Department of Environmental Quality.

Lonnie C. Lee, Chief, Groundwater Program Section
Waste Management Division
Michigan Department of Environmental Quality

A. Effluent Limitations and Monitoring Requirements

1. The wastewater discharge shall be limited and monitored by the permittee, at a minimum, as specified below and at sampling location identified in Attachment 2 (Site Map). The permittee shall submit reports quarterly as specified in Section F.1. of this permit. In the event of any non-compliance of limitations, including any detected in additional sampling to the minimum required below, the permittee shall fulfill the requirements of Section D.1. of this permit and Rule 2227.

SAMPLE LOCATION ID	PARAMETER	LIMITATION UNITS	MEASUREMENT FREQUENCY	SAMPLE TYPE
Effluent				
EF-1	Flow	42,000 GPD	Weekly	Calculation
		15.3 MGY	Weekly	Calculation
EQ-1	Total Inorganic Nitrogen	5 mg/l	Monthly	Calculation: Ammonia (N) + Nitrate (N) + Nitrite (N)
	Ammonia Nitrogen		Monthly	Grab
	Nitrate Nitrogen		Monthly	Grab
	Nitrite Nitrogen		Monthly	Grab
	Sodium	150 mg/l	Monthly	Grab
	Chloride	250 mg/l	Monthly	Grab
	Total Phosphorus	1 mg/l	Monthly	Grab
Land Application				
LA-1	Spring and Summer Irrigation Season (May through September)			
	Daily Irrigation Rate	0.09 inches/day	Weekly	Calculation
	Weekly Irrigation Rate	0.63 inches/day	Weekly	Calculation
LA-2	Fall and Winter Irrigation Season (October through April)			
	Daily Irrigation Rate	0.4 inches/day	Weekly	Calculation
	Weekly Irrigation Rate	0.4 inches/day	Weekly	Calculation
S-1 Soils	Bray P1		Biennial	Grab

- * The monthly average is defined as the total discharge by weight, or concentration if specified, during the reporting month divided by the number of days in the reporting month that the discharge occurred. When less than daily sampling occurs, the monthly average shall be determined by the summation of the measured daily discharge, by weight or concentration, divided by the number of days in which samples were collected, analyzed, and reported during the reporting month.

B. Observation Monitoring Requirements

The permittee shall inspect the treatment and disposal facilities for the operational conditions required below at the minimum frequency specified. All inspections shall be documented in a logbook to be maintained at the on-site facility and shall be available for review by Department personnel at all times.

LOCATION	CONDITION	MEASUREMENT FREQUENCY	SAMPLE TYPE
Irrigation Fields	Ponding, Pooling, Erosion	Daily During Discharge	Visual Observation
	Odors	Daily During Discharge	Olfactory Observation
	Piping and Sprinkler Heads	Daily During Discharge	Visual Observation

LOCATION	CONDITION	MEASUREMENT FREQUENCY	SAMPLE TYPE
Lagoon	Dike Integrity	Weekly	Visual Observation
	Vegetation Control	Weekly	Visual Observation
	Nuisance Animals, Birds, Insects	Weekly	Visual Observation
	Freeboard (2 ft. minimum)	Weekly	Visual Observation
	Odors	Weekly	Olfactory Observation

C. Compliance Requirements If Permit Limits Are Exceeded

If a limit described in Section A.1. is exceeded, the discharger shall comply with Rule 2227 and undertake the following within the specified timeframes indicated below:

1. Provide written notification to the Department at the address in Section F.2. of this permit, within seven calendar days that a limit has been exceeded. Such notification shall include the name of the substance(s), the concentration(s), and the location(s) that exceeded the limit(s).
2. Resample and analyze for the parameter(s) of concern within 14 days at the location where a limit was exceeded.
3. Submit a report to the Department at the address in Section F.2. of this permit within 60 days. Such report shall include the results of confirmation sampling, an evaluation of the reasons for the limit being exceeded, and the steps taken or proposed to prevent recurrences.
4. Complete additional activities as may be required by the Department pursuant to Rule 2227(1)(d).

D. Schedule of Activities – The permittee shall undertake the following activities by the dates specified.

1. Within 60 day of permit issuance the permittee shall submit to and receive the Department approval for an Operation and Maintenance Manual for the wastewater disposal facilities. [Rule 2218 (4)(b)]
2. Provide written notification to the Department at least ten (10) days prior to facility start-up.

E. Reporting Requirements – Rule 2225

1. All monitoring data as required and specified by this permit shall be submitted quarterly on a form provided by the Department by the 15th of the month following each calendar quarter (April 15th, July 15th, October 15th, and January 15th). Quarterly Monitoring Reports shall be submitted to the following address:

Groundwater Program Section
Waste Management Division
Department of Environmental Quality
P.O. Box 30166
Lansing, Michigan 48909

Telephone: 517-373-8148

2. All other notices, plans, reports, and other submissions required by and pursuant to this permit shall be submitted to the following:

Cadillac District Supervisor
Waste Management Division
Department of Environmental Quality
120 W. Chapin Street
Cadillac, Michigan 49601

Telephone: 616-775-3960

F. Other Conditions

1. If the permittee does not own land where the discharge occurs, the permittee shall obtain a written agreement from the property owner and submit a copy of the agreement to the Department on an annual basis by January 2nd of each year.
2. Effluent shall not be applied within 100 feet from property lines unless the owner of the adjacent land gives written consent to application up to 50 feet from the property line. Irrigation shall be stopped immediately if aerosol drift is detected beyond the isolation distance specified.
3. Effluent shall be isolated from water supply wells as specified in Rule 2204(2)(d).
4. The permittee shall maintain all treatment or control facilities or systems installed or used by the discharger to achieve compliance with this permit in good working order and operate the facilities or systems as effectively as possible.

H. Approved Documents – The following documents, previously submitted and approved are incorporated into this permit by reference. These documents, and those submitted and approved under Section E of this Permit, may be modified upon written approval of the Department.

1. Irrigation Management Plan – dated March 28, 2000

I. Permit Application – Issuance of this permit is based upon the information submitted on the Application for Groundwater Discharge (Application) and any subsequent amendments received by the Department. Any material or intentional inaccuracies found in this information, or omissions of material information, may be grounds for the revocation or modification of this permit or other enforcement action. The permittee shall inform the Department's Waste Management Division, Cadillac District Supervisor, of any known material or intentional inaccuracies in the information of the Application which would affect the permittee's ability to comply with the applicable rules or license conditions. The following documents were submitted to the Department as part of the Application:

1. Basis of Design – dated March 28, 2000.
2. Waste Characterization – dated February 25, 2000.

J. Transfer of Ownership – The permittee shall notify the Department, in writing, no less than 30 days before a change in ownership of the facility. This permit may be transferred to the new owner by written approval of the Chief of the Groundwater Program Section, Waste Management Division.

K. Change or Modification of Treatment or Discharge – Rule 2218 (3)(d) and (e)

The permittee, if proposing to modify the quantity or effluent characteristics of the discharge, if proposing to modify the monitoring program, or if proposing to modify the treatment process for the discharge, shall notify the Department of the proposed modification before it occurs. The Department shall determine if the proposed modification requires the permit to be modified to ensure that the terms of Rule 2204 are met. Modifications determined by the Department to be significant require that the permittee submit an application for and obtain a reissuance of the permit before such modification occurs.

L. By-Passing

Any diversion from or bypass of facilities necessary to maintain compliance with the terms and conditions of this permit is prohibited, except where unavoidable to prevent loss of life, personal injury, or severe property damage. The permittee shall immediately notify the Department of any such occurrence by telephone at 1-800-292-4706. Such notice shall be supplemented by a written report with the next operation report detailing the cause of such diversion or bypass and the corrective actions taken to minimize adverse impact and eliminate the need for future diversion or bypass.

M. Cessation of Discharge-Related Activities

If all or any portion of the permitted treatment facilities and discharge areas is intended to be eliminated, the permittee shall comply with the requirements of Rule 2226.

NOTE:

IF THE PERMITTEE WISHES TO CONTINUE DISCHARGING BEYOND THE EXPIRATION DATE, THE PERMITTEE SHALL SUBMIT A COMPLETE APPLICATION FOR REISSUANCE NO LATER THAN 180 DAYS PRIOR TO THE EXPIRATION DATE IN ACCORDANCE WITH RULE 2151 OF THE PART 21 ADMINISTRATIVE RULES. FAILURE TO SUBMIT AN ADMINISTRATIVELY COMPLETE APPLICATION FOR REISSUANCE BY THE REQUIRED DATE WILL RESULT IN TERMINATION OF THE AUTHORIZATION TO DISCHARGE ON THE EXPIRATION DATE.

